

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

M. XU et al.

Serial No.: 10/603,097

Group Art Unit: No. 2838

Filed: June 25, 2003

Examiner: R. Patel

For: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS

SPE Art Unit 2838

Commissioner for Patents

PO Box 1450

Alexandria, Virginia 22313-1450

**AMENDMENT, PETITION AND FEE TO ADD ORIGINAL ERRONEOUSLY NOT NAMED INVENTORS IN NON-PROVISIONAL APPLICATION AND DECLARATION UNDER 37 C.F.R. §1.48(a))**

Sir:

1. This amendment and petition is to correct the incorrect original naming of inventors in the declaration under 37 C.F.R. §1.48(a) as set forth and filed on June 25, 2003 in U.S. Patent Application Serial No.: 10/603,097.

2. Please add the following previously unnamed person as inventor of this application:

a) Yang Qiu

3. Submitted herewith are:

a) a statement from Yang Qiu as an inventor that the error in inventorship occurred without deceptive intention on his part;

b) a declaration from Ming Xu as an originally-named inventor as required by 37 C.F.R. §1.48 (a);

c) a declaration from Fred C. Lee as an originally-named inventor as required by 37 C.F.R. §1.48 (a);

d) a written assent of the assignee as required by 37 C.F.R. §1.48 (a);

e) an executed Declaration and Power of Attorney; and

Serial No. 10/603,097  
Docket No. 02.060

f) a check in the amount of \$130.00 to cover the petition fee as required by 37 C.F.R. §1.17 (i);

Please charge any additional fees required by this paper or credit any overpayment to Deposit Account 50-2041 (Whitham, Curtis & Christofferson, P.C.).

Respectfully submitted,



Marshall M. Curtis  
Registration No. 33,138

Whitham, Curtis & Christofferson, P.C.  
11491 Sunset Hills Road, Suite 340  
Reston, VA 20190  
Tel. (703) 787-9400  
Fax. (703) 787-7557  
Customer No.: 30743

Serial No. 10/603,097  
Docket No. 02.060



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

M. XU et al.

Serial No.: 10/603,097

Group Art Unit: No. 2838

Filed: June 25, 2003

Examiner: R. Patel

For: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS

SPE Art Unit 2838  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

**STATEMENT OF LACK OF DECEPTIVE INTENTION BY  
OMITTED INVENTOR UNDER 37 C.F.R. §1.48(a)**

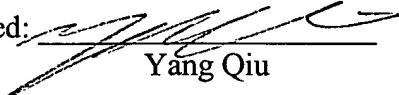
Dear Sir:

Yang Qiu makes the following declaration:

1. I was not named as an inventor at the time of the filing of the above-referenced United States Application. By this request, I seek to be added as an inventor.
2. The inventorship error of failing to include me as an inventor of the above-identified application occurred without deceptive intent on my part.

I hereby declare that all statements made herein of my own knowledge are true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this Application or any patent issued thereon.

Date: 5/17/2005

Signed:   
Yang Qiu

Serial No. 10/603,097  
Docket No. 02.060



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

M. XU et al.

Serial No.: 10/603,097

Group Art Unit: No. 2838

Filed: June 25, 2003

Examiner: R. Patel

For: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY  
DIODE LOSS

SPE Art Unit 2838  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

**WRITTEN CONSENT OF ORIGINALLY-NAMED INVENTOR TO  
CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. 1.48(a)**

Dear Sir:

Ming Xu makes the following declaration:

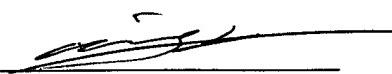
1. I am an inventor and was originally named as one of inventors for the application indicated above.

2. I hereby consent to the correction of inventorship for the above-referenced application, by adding Yang Qiu as an inventor. The error in inventorship occurred without deceptive intent.

I hereby declare that all statements made herein of my own knowledge are true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this Application or any patent issued thereon.

Date: 5/11/05

Signed:

  
Ming Xu

Serial No. 10/603,097  
Docket No. 02.060



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

M. XU et al.

Serial No.: 10/603,097

Group Art Unit: No. 2838

Filed: June 25, 2003

Examiner: R. Patel

For: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY  
DIODE LOSS

SPE Art Unit 2838  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

**WRITTEN CONSENT OF ORIGINALLY-NAMED INVENTOR TO  
CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. 1.48(a)**

Dear Sir:

Fred C. Lee makes the following declaration:

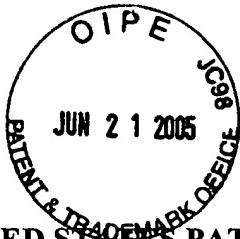
1. I am an inventor and was originally named as one of inventors for the application indicated above.
2. I hereby consent to the correction of inventorship for the above-referenced application, by adding Yang Qiu as an inventor. The error in inventorship occurred without deceptive intent.

I hereby declare that all statements made herein of my own knowledge are true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this Application or any patent issued thereon.

Date: 5/11/05

Signed: Fred C. Lee  
Fred C. Lee

Serial No. 10/603,097  
Docket No. 02.060



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

M. XU et al.

Serial No.: 10/603,097

Group Art Unit: No. 2838

Filed: June 25, 2003

Examiner: R. Patel

For: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS

SPE Art Unit 2838  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

**ASSENT OF ASSIGNEE TO ADDITION TO  
ORIGINAL NAMED INVENTORS UNDER 37 C.F.R. 1.48(a)**

Dear Sir:

The Assignee for the above-identified application is

*Virginia Tech Intellectual Properties, Inc*  
1872 Pratt Drive - # 625  
Blacksburg, Virginia 24060

The assignment recorded on November 14, 2003, on Reel: 014695, Frame: 0294. A copy of the assignment is attached.

Michael Martin, Executive Vice President of Virginia Tech Intellectual Properties, Inc., as a representative of Assignee, makes the following declaration:

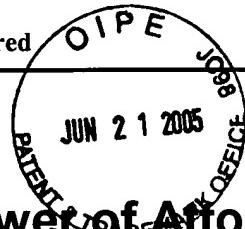
1. Yang Qiu, an inventor for the above-identified application was unintentionally omitted from the declaration and assignment during filing of the application.

2. I hereby assent to the correction of inventorship for the above-referenced application, by adding Yang Qiu as an inventor.

I hereby declare that all statements made herein of my own knowledge are true further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this Application or any patent issued thereon.

Date: 5/6/05

Signed:   
Michael Martin

Docket No.  
01640408AA**Declaration and Power of Attorney For Patent Application****English Language Declaration**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS**

the specification of which

(check one)

is attached hereto.

was filed on 06/25/2003 as United States Application No. or PCT International

Application Number 10/603,097

and was amended on 12/14/2004 and 04/27/2005

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

---

(Application Serial No.)

(Filing Date)

---

(Application Serial No.)

(Filing Date)

---

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

---

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

---

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

---

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

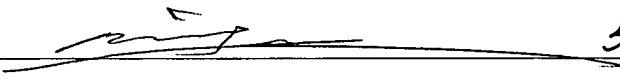
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*list name and registration number*)

Michael E. Whitham - Reg. No. 32,635  
 Marshall M. Curtis - Reg. No. 33,138  
 Clyde R Christofferson - Reg. No. 34,138  
 C. Lamont Whitham - Reg. No. 22,424

Send Correspondence to: **ASSOCIATE THIS APPLICATION WITH CUSTOMER NUMBER 30743**

Direct Telephone Calls to: (*name and telephone number*)  
**Marshall M. Curtis - (703) 787-9400**

Full name of sole or first inventor <b>Ming Xu</b>		<b>5/11/05</b>
Sole or first inventor's signature	Date	
Residence <b>Blacksburg, VA</b>		
Citizenship <b>Peoples Republic of China</b>		
Post Office Address <b>2173 Harding Rd., Blacksburg, VA 24060</b>		

Full name of second inventor, if any <b>Fred C. Lee</b>		<b>5/11/05</b>
Second inventor's signature	Date	
Residence <b>Blacksburg, VA</b>		
Citizenship <b>US</b>		
Post Office Address <b>2909 Stradford Lane, Blacksburg, VA 24060</b>		

Full name of third inventor, if any <b>Yang Qiu</b>	<b>5/17/2015</b>
Third inventor's signature 	Date
Residence <b>Blacksburg, VA</b>	
Citizenship <b>Peoples Republic of China</b>	
Post Office Address <b>703-5 Washington St., Blacksburg, VA 24060</b>	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fifth inventor, if any	
Fifth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

IFD  
4

**TRANSMITTAL LETTER**  
**(General - Patent Pending)**

Docket No.  
01640408AA

In Re Application Of: Xu et al.

Application No. Filing Date Examiner Customer No. Group Art Unit Confirmation No.  
10/603,097 06/25/2003 R. Patel 30743 2838 1937

Title: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS

**COMMISSIONER FOR PATENTS:**

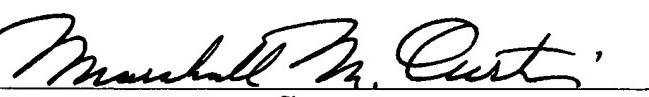
Transmitted herewith is:

**Amendment, Petition and Fee to Add Original Erroneously Not Named Inventors in Non-Provisional Application and Declaration Under 37 C.F.R. 1.48(a) with associated executed statements  
Executed Declaration and Power of Attorney  
Postcard**

in the above identified application.

- No additional fee is required.
- A check in the amount of \$130.00 is attached.
- The Director is hereby authorized to charge and credit Deposit Account No. 50-2041 as described below.
  - Charge the amount of
  - Credit any overpayment.
  - Charge any additional fee required.
- Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

  
Signature

Dated: June 21, 2005

Marshall M. Curtis  
Reg. No. 33,138

Whitham, Curtis & Christofferson, P.C.  
11491 Sunset Hills Road, Suite 340  
Reston, VA 20190  
(703) 787-9400

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on \_\_\_\_\_

(Date)

*Signature of Person Mailing Correspondence*

*Typed or Printed Name of Person Mailing Correspondence*

CC: